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New mitomycin derivs. useful as e.g. antibiotics - e.g.

((((benzoyloxy)methyl)oxy)carbonyl) mitomycin C

Patent Assignee: KYOWA HAKKO KOGYO KK (KYOW)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 1113391	A	19890502	JP 87268754	A	19871024	198923 B

Priority Applications (No Type Date): JP 87268754 A 19871024

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 1113391	A		10		

JP 1113391 A 10

Abstract (Basic): JP 1113391 A

Mitomycin derivs. of formula (I) are new; where R = an acyl residue where the OH gp. is eliminated from the carboxyl gp. of a fat-soluble or water-soluble carboxylic acid. The fat-soluble carboxylic acid is an 8-20C straight or branched (un)satd. aliphatic carboxylic acid, 3-8C of alicyclic carboxylic acid, or steroids having carboxyl or aromatic carboxylic acid. The water-soluble carboxylic acid is of formula (II), where R1 and R2 = the same or different and are H or methyl.

USE/ADVANTAGE - Mitomycin derivs. (I) are Mitomycin C derivs. having improved oil-solubility or water-solubility and regenerate Mitomycin C in vivo. Mitomycines are known as antibiotics having antibacterial activity and antioncotic activity. Mitomycin C have strong antioncotic activity and wide antioncotic spectra and Mitomycin C has a striking effect to various carcinoma on human organs, sarcoma and leukemias.

Title Terms: NEW; MITOMYCIN; DERIVATIVE; USEFUL; ANTIBIOTIC; BENZOYLOXY;

METHYL; OXY; CARBONYL; MITOMYCIN

Index Terms/Additional Words: BENZOYL; OXY; METHYL; CARBONYL

Derwent Class: B02

International Patent Class (Additional): A61K-031/40; C07D-487/14

File Segment: CPI

Manual Codes (CPI/A-N): B02-M; B12-G05; B12-G07

Chemical Fragment Codes (M2):

01 D011 D019 D025 D030 E330 G010 G020 G030 G040 G050 G100 G221 G530
G543 G553 G563 G573 G583 H1 H100 H141 H2 H211 H5 H521 H583 H584 H721
H722 H8 J0 J011 J2 J231 J251 J271 K0 L4 L463 L499 L6 L660 L9 L951
M220 M221 M222 M223 M224 M225 M226 M231 M232 M233 M240 M262 M272
M281 M282 M311 M312 M313 M321 M322 M323 M331 M332 M340 M342 M349
M373 M381 M383 M391 M392 M393 M412 M511 M520 M530 M531 M540 M541
M710 M800 M903 M904 P220 P632 P633 V0 V131 8923-21201-N 00417 12848

Chemical Fragment Codes (M5):

02 M710 M903 M904 P220 P632 P633 S131 S132 S133 S134 S203 S207 S212
S317 S503 S507 S512 S700 S730 S740 S760 S762 S800 S830 T500 T530
T600 T638 U323 U332 U550 8923-21201-N 00417 12848